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Q)	Develop a jana program that prints all
	real solutions to the quadratic equation
	ax + bx + c = 0. Read a, b, c and use the quadratic
	formula. If the discriminate b2-4ae is negative,
	display a message stating that there are
	no real solutions.
310	
	import jana util. *;
	class Bund &
-	Scanner SC = neu Scanner (System-in);
	int a, b, e, d;
4	double r, r, d-sq;
	as the same of the
	void input () {
	System. out. print en ("Enter coefficients a, b, c:");
	a = sc. nextInt();
	b = sc-next Int ();
	C = SC. nent Int ();
	3 Charles and Charles and the same have
C	English of the first of the fir
	Void calc () {
	int d = b*b - 4 + a + e;
	System- out. print ln(d);
	If (d == 0) {
	$V_1 = -h/(2.0\%\alpha)$;
	System-cout-prent ln ("Roots sarce sceal and equal");
	System- out- print ln ("Root 1 = "+r+" n Root 2 = "+r;);
	3

```
else if (d>0) {
 d-sq = Math. squit (d);
 V_1 = (-b + d - sq)/(2.0 \cdot a);
 r2 = (-b+d-sq)/(2-0 *a); seed and distinct
System- out-println ("Roots are imaginary");
System out- print In ("Root 1 = "+ r, + " | n Root 2 = "+ r2
 else {
 d-sq = Math. squt (-d);
 V_l = -b/(2-0+a);
 12 = d-say ((2-0 x a);
System. out- print ln ("Roots are imaginary");
System. out-print ln ("Root 1 = "+r, +" + " + r2+ ";" +
   "In Root 2 = "+ r1+" - "+ r2+";");
class Quadratic {
public static void main (String [3 args) {
 Quad quad = new Quad ();
gread - input ();
quad-calc();
Output
 enter coefficients a, b, c
Roots are real and distinct
```

enter coefficients a, b, c Roots are imaginary Poot 1 = -0-5 + 0_P660254037844386i Root2= -0-5+0-8660254037844386i Enter coefficient a, b, c 4 12 Roots see selal and equal Root 1 = -1-5 Poot 2 = -1-5 seen